

Amendments to the Specification:

Please insert on page 11, between lines 8 and 9, the following new paragraph:

Certain embodiments of the invention provide a method of treating patients for obesity, which comprises performing bilateral stimulation of the patient's vagus nerve by applying a stimulating electrical signal to the right and left vagi, wherein the parameters of said signal are predetermined to produce a sensation of satiety in the patient, wherein said electrical signal is applied to the right and left vagi indirectly by stimulating the stomach or other visceral organ.